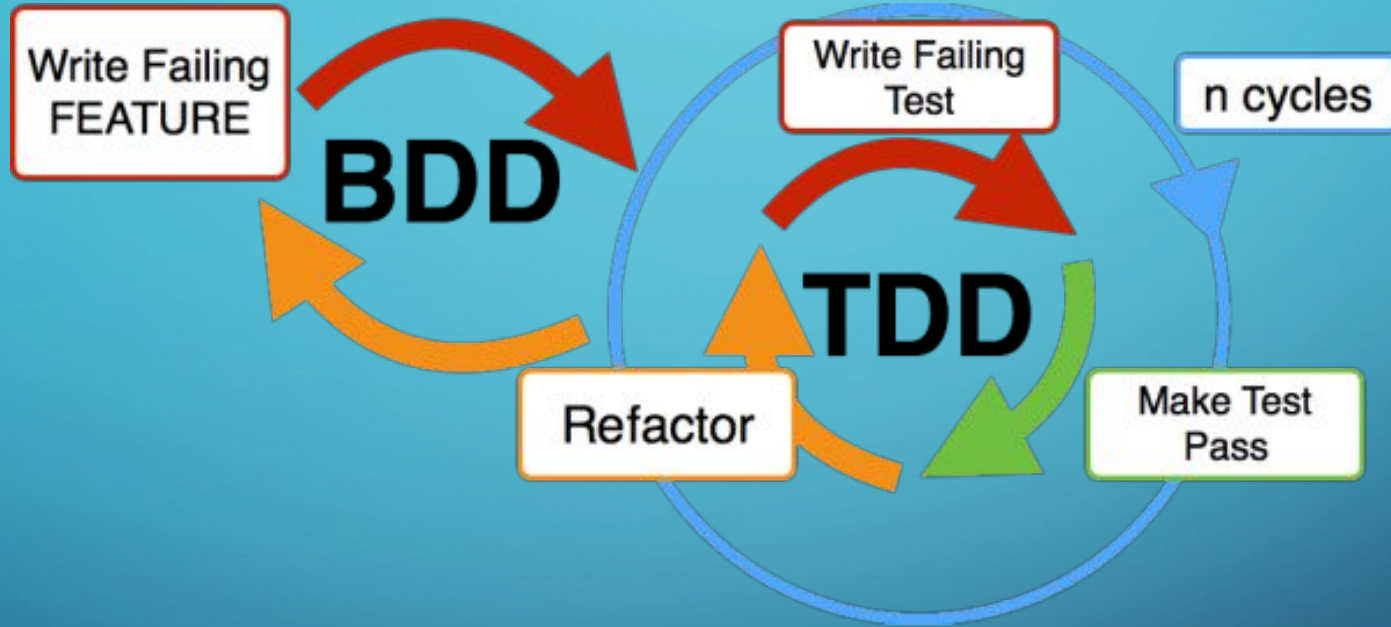


ПРОЦЕС РОЗРОБКИ ПРОГРАМНОГО ЗАБЕЗПЕЧЕННЯ НА ПРИКЛАДІ REST API СЕРВЕРУ

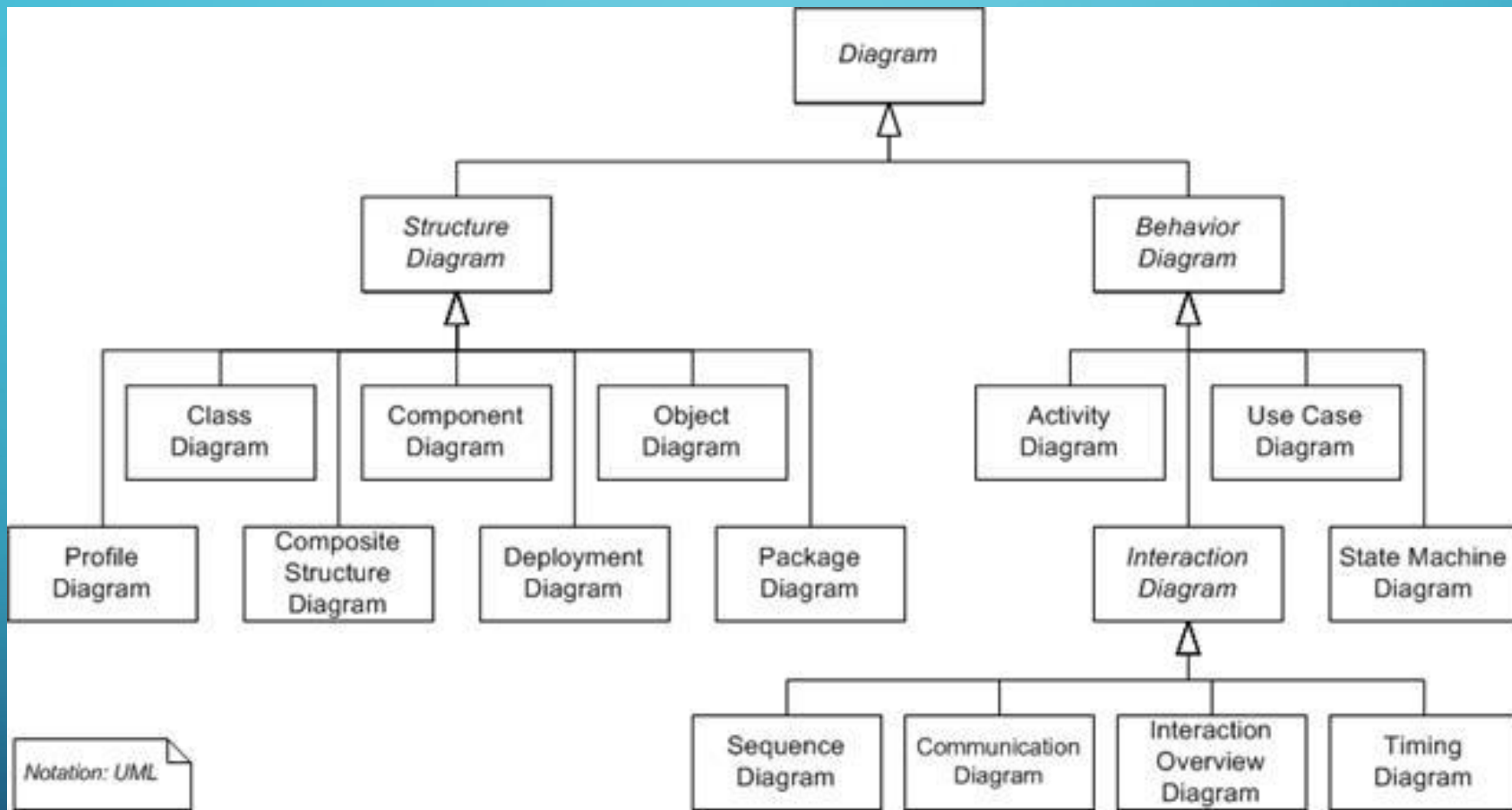


ПЕРЕВАГИ

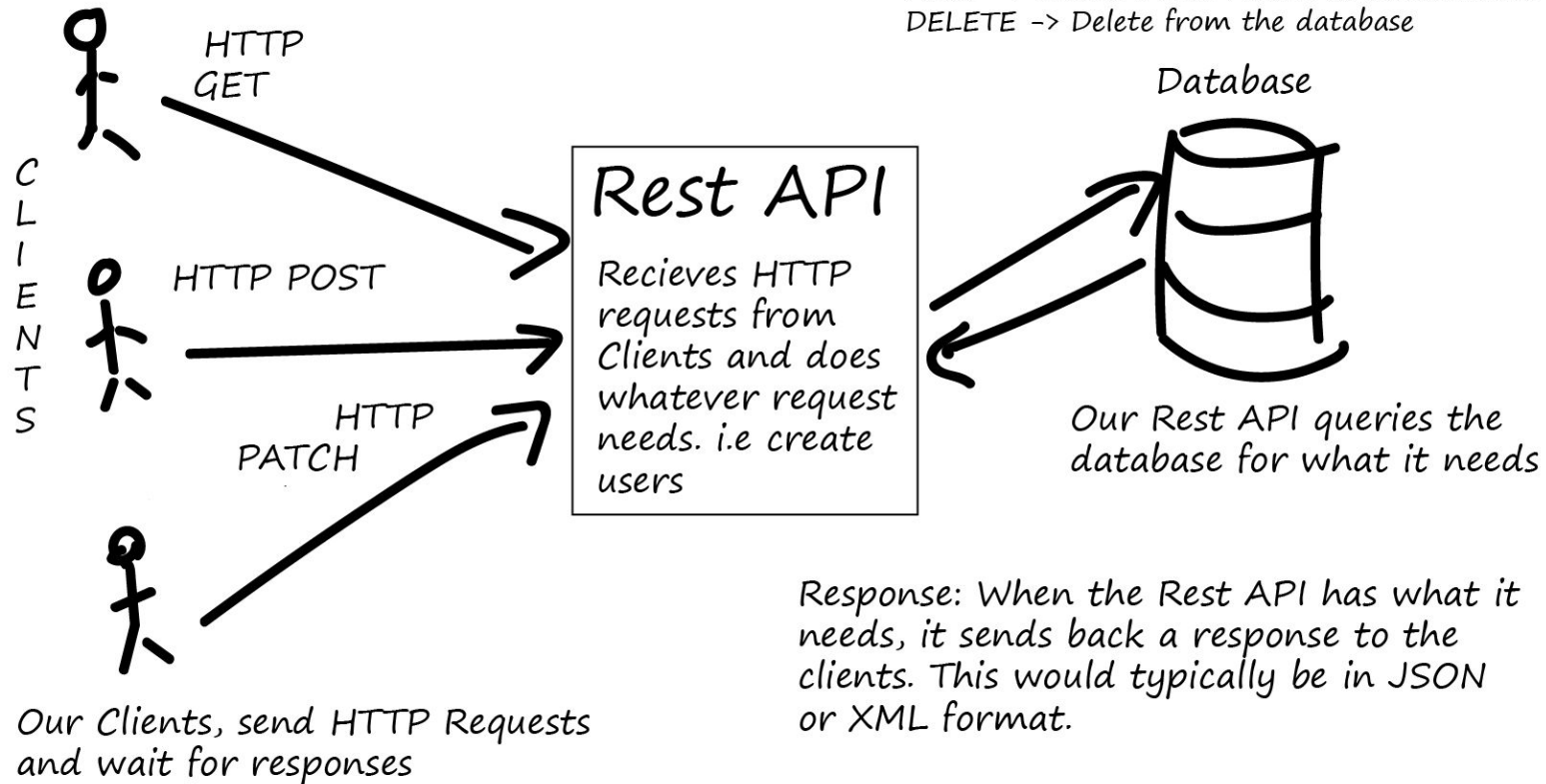
- можуть використовуватися як документація;
- рефакторинг коду без ризику його зламати;
- при внесенні змін в добре протестований код, ризик появи нових помилок значно нижчий;
- сприяє більш модульному і гнучкому коду.

НЕДОЛІКИ

- потрібно більше часу на розробку і підтримку;
- тести є джерелом додаткових витрат;
- існують завдання, які неможливо вирішити тільки за допомогою тестів;
- модульні тести, пишуться тими, хто пише тестований код. Якщо розробник неправильно висунув вимоги до застосунку, то тест, і тестований модуль будуть містити помилку.



Rest API Basics



Typical HTTP Verbs:
GET -> Read from Database
PUT -> Update/Replace row in Database
PATCH -> Update/Modify row in Database
POST -> Create a new record in the database
DELETE -> Delete from the database

```
localhost:8080/schedule/tomorrow
[{"id":1,"name":"subject1","date":"2018-06-03T21:00:00.000+0000","group":"group1","faculty":"faculty1","course":3},
{"id":2,"name":"subject2","date":"2018-06-03T21:00:00.000+0000","group":"group2","faculty":"faculty2","course":3},
{"id":3,"name":"subject3","date":"2018-06-03T21:00:00.000+0000","group":"group3","faculty":"faculty3","course":3},
{"id":12,"name":"subject4","date":"2018-06-03T21:00:00.000+0000","group":"group2","faculty":"faculty3","course":3},
{"id":13,"name":"subject2","date":"2018-06-03T21:00:00.000+0000","group":"group2","faculty":"faculty3","course":3},
{"id":14,"name":"subject1","date":"2018-06-03T21:00:00.000+0000","group":"group2","faculty":"faculty3","course":3},
{"id":15,"name":"subject1","date":"2018-06-03T21:00:00.000+0000","group":"group2","faculty":"faculty3","course":3}]
```

```
localhost:8080/schedule/today/groups/group2
[{"id":16,"name":"subject1","date":"2018-06-02T21:00:00.000+0000","group":"group2","faculty":"faculty3","course":3},
{"id":17,"name":"subject2","date":"2018-06-02T21:00:00.000+0000","group":"group2","faculty":"faculty3","course":3},
{"id":18,"name":"subject4","date":"2018-06-02T21:00:00.000+0000","group":"group2","faculty":"faculty3","course":3},
{"id":19,"name":"subject4","date":"2018-06-02T21:00:00.000+0000","group":"group2","faculty":"faculty3","course":3}]
```

```
localhost:8080/schedule/today
[{"id":16,"name":"subject1","date":"2018-06-02T21:00:00.000+0000","group":"group2","faculty":"faculty3","course":3},
{"id":17,"name":"subject2","date":"2018-06-02T21:00:00.000+0000","group":"group2","faculty":"faculty3","course":3},
{"id":18,"name":"subject4","date":"2018-06-02T21:00:00.000+0000","group":"group2","faculty":"faculty3","course":3},
{"id":19,"name":"subject4","date":"2018-06-02T21:00:00.000+0000","group":"group2","faculty":"faculty3","course":3}]
```

```
localhost:8080/schedule/tomorrow/groups/group1
[{"id":1,"name":"subject1","date":"2018-06-03T21:00:00.000+0000","group":"group1","faculty":"faculty1","course":3}]
```

ДЯКУЮ ЗА ВАШУ УВАГУ 😊